

1       **1. (previously amended)** A method for serving remote procedure  
2 calls from an applet which executes within an applet viewer which in turn  
3 executes in a computer system that is serving said remote procedure calls, the  
4 method comprising:

5           receiving from the applet which executes in the same computer system that  
6 serves said remote procedure calls, a request for a document according to a  
7 document retrieval protocol implemented on a computer network;

8           determining that the request specifies a function which is defined within a  
9 computer process executing independently of the applet and applet viewer and  
10 which includes one or more computer instructions, execution of which performs a  
11 task which is unrelated to both generation and retrieval of any document specified  
12 in the request; and

13           executing the function in the same computer system that is executing said  
14 applet and applet viewer to thereby cause execution of the one or more computer  
15 instructions in response to receipt of the request.

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17       **2. (original)** The method of Claim 1 wherein the step of  
18 determining comprises:

19           determining that the request includes a document specification which is in a  
20 portion of a name space reserved for function requests.

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22       **3. (previously amended)** The method of Claim 1 further  
23 comprising:

24           returning to the applet result data produced by execution of the function.  
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1           **4. (previously amended)**   The method of Claim 3 wherein the step  
2 of returning comprises:

3           forming a document which includes the data; and  
4           sending the document to the applet.

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6           **5. (original)**   The method of Claim 1 wherein the document retrieval  
7 protocol is HTTP.

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9           **6. (previously amended)**   A computer readable medium useful in  
10 association with a computer system which includes a processor and a memory, the  
11 computer readable medium including computer instructions which are configured  
12 to cause the computer to serve remote procedure calls from an applet, which  
13 executes within an applet viewer which in turn executes in the computer system  
14 that is serving said remote procedure calls, by performing the steps of:

15           receiving from the applet which executes in the same computer system that  
16 serves said procedure calls, a request for a document according to a document  
17 retrieval protocol implemented on a computer network;

18           determining that the request specifies a function which is defined within a  
19 computer process executing independently of the applet and applet viewer and  
20 which includes one or more selected computer instructions, execution of which  
21 performs a task which is unrelated to both generation and retrieval of any  
22 document specified in the request; and

23           executing the function in the same computer system that is executing said  
24 applet and applet viewer to thereby cause execution of the one or more selected  
25 computer instructions in response to receipt of the request.

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2       **7. (original)**   The computer readable medium of Claim 6 wherein  
3 the step of determining comprises:

4       determining that the request includes a document specification which is in a  
5 portion of a name space reserved for function requests.  
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7       **8. (previously amended)**   The computer readable medium of Claim  
8 6 where the computer instructions are further configured to cause the computer to  
9 serve remote procedure calls by further performing the step of:

10       returning to the applet result data produced by execution of the function.  
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12       **9. (original)**   The computer readable medium of Claim 8 wherein  
13 the step of returning comprises:

14       forming a document which includes the result data; and

15       sending the document to the applet.  
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17       **10. (original)**   The computer readable medium of Claim 6 wherein  
18 the document retrieval protocol is HTTP.  
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1           **11. (previously amended)**   A computer system comprising:  
2           a processor;  
3           a memory operatively coupled to the processor; and  
4           a computer process which executes in the processor from the memory and  
5           which, when executed, serves remote procedure calls received from an applet  
6           which executes within an applet viewer which in turn executes in the processor  
7           from the memory concurrently and independently from the computer process,  
8           wherein the computer process serves the remote procedure calls by performing the  
9           steps of:

10                 receiving from the applet which executes in the same computer system that  
11                 serves remote procedure calls, a request for a document according to a document  
12                 retrieval protocol implemented on a computer network;

13                 determining that the request specifies a function which is defined within the  
14                 computer process and which includes one or more computer instructions,  
15                 execution of which performs a task which is unrelated to both generation and  
16                 retrieval of any document specified in the request; and

17                 executing the function in the same computer system that is executing said  
18                 applet and applet viewer to thereby cause execution of the one or more computer  
19                 instructions in response to receipt of the request.

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21           **12. (original)**   The computer system of Claim 11 wherein the step of  
22           determining comprises:

23                 determining that the request includes a document specification which is in a  
24                 portion of a name space reserved for function requests.  
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1           **13. (previously amended)**   The computer system of Claim 11 where  
2 the computer process serves remote procedure calls by further performing the step  
3 of:

4           returning to the applet result data produced by execution of the function.

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6           **14. (original)**   The computer system of Claim 13 wherein the step of  
7 returning comprises:

8           forming a document which includes the result data; and

9           sending the document to the applet.

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11           **15. (previously amended)**   The computer system of Claim 11  
12 wherein the document retrieval protocol is HTTP.

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14           **22. (previously amended)**   The method of Claim 1, wherein the  
15 function further comprises a Remote Procedure Call.

1           **23. (previously mended)** A method for serving remote procedure  
2 calls received from an instruction set that executes within a first computer process,  
3 the first computer process executing in a computing device that serves the remote  
4 procedure calls, the method comprising:

5           receiving a request for a data file from the instruction set, the request  
6 according to a data file retrieval protocol;

7           determining that the request for the data file specifies a function which is  
8 defined within a second computer process executing in the computing device  
9 independently of the instruction set and of the first computer process, the function  
10 including one or more computer instructions, execution of which performs a task  
11 which is unrelated to both generation and retrieval of any data file specified in the  
12 request; and

13           executing the function in the computing device to execute the one or more  
14 computer instructions in response to receipt of the request.

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16           **24. (previously added)** A method as recited in claim 23, wherein  
17 determining that the request for the data file specifies a function comprises  
18 determining that the request includes a data file specification which is in a portion  
19 of a name space reserved for function requests.

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21           **25. (previously added)** A method as recited in claim 23, further  
22 comprising returning result data produced by execution of the function to the first  
23 computer process.

26. (previously added) A method as recited in claim 25, wherein returning the result data comprises generating a document which includes the result data, and sending the document to the first computer process.

27. (previously added) A method as recited in claim 23 wherein the data file retrieval protocol is HTTP.

28. (previously amended) A computer system comprising:  
a processor;  
a memory operatively coupled to the processor; and  
a first computer process configured to execute in the processor from the memory, the first computer process further configured to serve remote procedure calls received from an instruction set that executes within a second computer process, the second computer process configured to execute in the processor from the memory concurrently and independently of the first computer process, wherein the first computer process serves the remote procedure calls by:

receiving a request for a data file from the instruction set, the request according to a data file retrieval protocol;

determining that the request for the data file specifies a function which is defined within the first computer process, the function including one or more computer instructions, execution of which performs a task which is unrelated to both generation and retrieval of any data file specified in the request; and

executing the function in the computing device to execute the one or more computer instructions in response to receipt of the request.

1           **29. (previously added)** A computer system as recited in claim 28,  
2 wherein determining that the request for the data file specifies a function  
3 comprises determining that the request includes a data file specification which is  
4 in a portion of a name space reserved for function requests.

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6           **30. (previously added)** A computer system as recited in claim 28,  
7 wherein the first computer process further serves the remote procedure calls by  
8 returning result data produced by execution of the function to the second computer  
9 process.

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11           **31. (previously added)** A computer system as recited in claim 30,  
12 wherein returning the result data comprises generating a document which includes  
13 the result data, and sending the document to the second computer process.

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15           **32. (previously added)** A computer system as recited in claim 28,  
16 wherein the data file retrieval protocol is HTTP.  
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1       **33. (previously added)** A method for serving remote procedure calls  
2 from an applet that executes within an applet viewer which executes in a computer  
3 system that serves the remote procedure calls, the method comprising:

4       receiving from the applet a request for a document according to a document  
5 retrieval protocol implemented in the computer system; and

6       determining that the request for the document specifies a function which is  
7 defined within a computer process executing independently of the applet and the  
8 applet viewer and which includes computer executable instructions that, when  
9 executed, perform a task which is unrelated to both generation and retrieval of any  
10 document.

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12       **34. (previously added)** A method as recited in claim 33, further  
13 comprising executing the function in the computer system to perform the task  
14 when receiving of the request for the document.

1       **35. (previously added)** A computer system, comprising:  
2       one or more processors;  
3       a memory component operatively coupled to the processor;  
4       a computer process configured to execute in the one or more processors  
5       from the memory and serve remote procedure calls received from an applet that  
6       executes within an applet viewer which executes in the processor from the  
7       memory concurrently and independently from the computer process, wherein the  
8       computer process is further configured to:

9               receive from the applet a request for a document according to a  
10              document retrieval protocol implemented in the computer system;

11             determine that the request for the document specifies a function  
12             which is defined within the computer process and which includes computer  
13             executable instructions that, when executed, perform a task which is  
14             unrelated to both generation and retrieval of any document.

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16       **36. (previously added)** A computer system as recited in claim 35,  
17       wherein the computer process is further configured to execute the function in the  
18       computer system to perform the task in an event that the request for the document  
19       is received.